# Before the FEDERAL COMMUNICATIONS COMMISSION Washington, D.C. 20554

In the Matter of	)	
	)	
Connect America Fund	) WC Docket No. 10-9	90
	)	
	)	

#### CENSUS BLOCK CHALLENGE OF BLUEGRASS CELLULAR, INC.

Bluegrass Cellular, Inc. ("Bluegrass" or the "Company"), by counsel and pursuant to the Commission's Public Notice, DA 13-1832, hereby files its Census Block Challenge ("Challenge") in the above-captioned proceeding. In the *CAF Phase I Round 2 Public Notice*, the Commission invited parties to challenge the list of potentially eligible census blocks submitted by price cap carriers as being unserved and thus eligible for the Connect America Fund ("CAF") Phase I second round of funding. This Challenge is being filed to provide the Commission with a list of census blocks, along with supporting evidence, where Bluegrass is currently offering and providing a fixed wireless broadband service at or above the requisite broadband speed of 3 Mbps downlink and 768 kbps uplink. Accordingly, the census blocks identified in this Challenge should be removed from eligibility from the CAF Phase I second round of funding.

<sup>&</sup>lt;sup>1</sup> See Wireline Competition Bureau Publishes Census Blocks, And Commences Challenge Process, For Second Round of Connect America Phase I, Public Notice, DA 13-1832 (rel. Aug. 28, 2013) ("CAF Phase I Round 2 Public Notice").

<sup>&</sup>lt;sup>2</sup> *Id.* at 1 ("Interested parties have 30 days from the release of this public notice to challenge price cap carriers' Phase I deployment plans by demonstrating that a block in question is already served by fixed Internet access with the requisite speeds.").

<sup>&</sup>lt;sup>3</sup> See Connect America Fund, Report and Order, FCC 13-73 at  $\P$  33 (rel. May 22, 2013) ("CAF Phase I Round 2 Order") ("Where the Bureau finds it more likely than not that the status of a census block should be treated differently than the status shown on the National Broadband Map, the Bureau will deem that census block as served or unserved, as appropriate, for the purposes of Connect America Phase I.").

#### I. INTRODUCTION

Bluegrass is a provider of commercial wireless fixed and mobile service in Kentucky.

Affiliates of Bluegrass are licensed in the cellular and PCS bands and have a longstanding record of serving rural communities in Kentucky.<sup>4</sup>

Bluegrass currently offers a fixed Internet access to subscribing customers. This fixed wireless service provides customers with access to an Internet broadband service in their home with speeds at, or in excess, of 3 Mbps downlink and 768 kbps uplink. With the wireless router offered by Bluegrass as part of the fixed wireless service, customers can establish a wide-area network ("WAN") at home through the use of the router's Ethernet port or built-in WiFi that then provides customers with high-speed broadband access for computers and other devices in the home. We have provided in Attachment A to this Challenge sample advertisements used by the Company for its fixed Internet wireless service and the speeds that it offers consumers.

# II. BLUEGRASS CURRENTLY PROVIDES FIXED INTERNET ACCESS TO NUMEROUS CENSUS BLOCKS IN KENTUCKY THAT CERTAIN PRICE CAP CARRIERS ARE LISTING AS BEING ELIGIBLE FOR CAF PHASE I SECOND ROUND SUPPORT

When electing to receive Phase I second round support, price cap carriers were required to provide a list of those census blocks unserved by 3 Mbps/768 kbps Internet access in which

<sup>&</sup>lt;sup>4</sup> Bluegrass markets wireless services that are provided under authority of licenses held by its affiliates including Kentucky RSA #3 Cellular General Partnership, Kentucky RSA 4 Cellular General Partnership, Cumberland Cellular Partnership and Bluegrass Wireless LLC.

<sup>&</sup>lt;sup>5</sup> See https://store.bluegrasscellular.com/product/bandluxe-r529-router.

<sup>&</sup>lt;sup>6</sup> See Attachment A. Some Bluegrass Cellular customers receive fixed Internet access at or above 3 Mbps (down) / 768 kbps (up) under the GetSetGo<sup>TM</sup> name, as opposed to the Bluegrass Cellular name. Sample advertisements for GetSetGo<sup>TM</sup> are also included in Attachment A.

they intend to deploy to meet their buildout obligations.<sup>7</sup> At the same time, the Commission invited interested parties to challenge this list by demonstrating that a census block is in fact served by fixed Internet access with speeds of 3 Mbps/768 kbps or higher.<sup>8</sup>

With respect to wireless services, the Commission has previously determined that service is being provided to a census block when service is provided at the centroid point. Bluegrass has reviewed the price cap carrier's list of potentially unserved census blocks in Kentucky. After careful analysis, Bluegrass has determined that it already provides, over its 4G LTE network, a qualified fixed Internet access service (*i.e.*, 3 Mbps/768 kbps) at the centroid point of numerous census blocks on the price cap carrier's list. A list of those census blocks where Bluegrass already provides this coverage is attached hereto as Attachment B. In addition, a map showing the census blocks in Kentucky that price cap carriers have preliminarily designated as unserved, but where Bluegrass provides coverage, is attached hereto as Attachment C.<sup>10</sup>

In developing Attachments B and C, Bluegrass enlisted the consulting services of Ms.

Leila Rezanavaz, an electrical engineer specializing in the design of wireless networks, including those using 4G LTE technology. An engineering declaration, including a description of Ms.

<sup>&</sup>lt;sup>7</sup> See CAF Phase I Round 2 Order at ¶ 31. As set forth by the Commission, parties may contend that a census block is completely unserved (i.e., lacks speeds of 768 kbps/200 kbps and thus is eligible for \$775 in funding), is unserved by 3 Mbps/768 kbps but served by 768 kbps/200 kbps (thus is eligible for \$550 in funding), or is served by 3 Mbps/768 kbps (and thus is eligible for no support). Id.

 $<sup>^{8}</sup>$  *Id.* at ¶ 32. *See also CAF Phase I Round 2 Public Notice* at 1.

<sup>&</sup>lt;sup>9</sup> See, e.g., Mobility Fund Phase I Auction Scheduled for September 27, 2012, Comment Sought on Competitive Bidding Procedures for Auction 901 and Certain Program Requirements, DA 12-121 at ¶ 16 (rel. Feb. 2, 2012); see also Mobility Fund Phase I Auction, Limited Extension of Deadlines for Comments and Reply Comments of Census Block Eligibility Challenges, DA 12-236 (Feb. 16, 2012) (extending the comment deadline for filing comments and reply comments on census block eligibility challenges to March 16 and March 26 respectively.).

<sup>&</sup>lt;sup>10</sup> If requested, Bluegrass can provide Commission staff with enlarged copies of the coverage map included in Attachment C.

Rezanavaz's qualifications, is attached hereto as Attachment D.<sup>11</sup> In sum, Ms. Rezanavaz mapped the centroid point for each unserved census block listed by the Commission for the state of Kentucky. She then performed a coverage analysis of each Bluegrass cell site that uses 4G LTE, using Optimi xWizard ver. 8.2, a highly specialized propagation tool used by engineers to predict and model coverage to ensure appropriate coverage when designing wireless networks. Wizard software is widely accepted by engineers designing commercial mobile wireless networks and it is an essential tool for selecting, among other things, site locations, antenna height, antenna type, and power levels.

Ms. Rezanavaz then overlaid the Bluegrass coverage map onto the eligible census block map, and performed an analysis of each census block to determine whether a tower operated by Bluegrass and offering the fixed Internet access provides coverage at the centroid point. Those census blocks that have such coverage are listed in Attachment B and the coverage map is included as Attachment C.<sup>12</sup>

In addition, set forth at Attachment E is a signed declaration from Mr. Ronald Smith,

President & CEO of Bluegrass, declaring that he has read this pleading and that Bluegrass offers

3 Mbps/768 kbps fixed wireless Internet service to customers in the census blocks identified in

Attachment B.<sup>13</sup> Further, in accordance with the *CAF Phase I Round 2 Order*, accompanying this declaration are samples of customer billing records (redacted to preserve customer privacy) further demonstrating that Bluegrass is in fact providing its fixed wireless Internet service in

<sup>&</sup>lt;sup>11</sup> See Attachment D.

 $<sup>^{12}</sup>$  See CAF Phase I Round 2 Order at ¶ 33 ("All filings in the challenge process, whether from a price cap carrier or another provider, must be supported by some form of documented evidence.").

 $<sup>^{13}</sup>$  See CAF Phase I Round 2 Order at ¶ 33 ("In cases where another provider contests the price cap carrier's intention to serve, the Bureau may consider such evidence as a signed certification from an officer of the provider under penalty of perjury that it offers 3 Mbps/768 kbps Internet service to customers in that particular census block.").

these areas.<sup>14</sup> Bluegrass includes in its Declaration a certification that the company is in fact offering and advertising its service in the census blocks identified in Attachment B and depicted in the map in Attachment C, and has customers taking service in these areas.

The evidence provided herein is sufficient to enable the Commission to determine that the census blocks listed in Attachment B already are served by a fixed Internet access service operating at, or in excess, of 3 Mbps/768 kbps, and as a result, these census blocks should be made ineligible for CAF Phase I second round funding.

Respectfully submitted,

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September 27, 2013

<sup>-</sup>

<sup>&</sup>lt;sup>14</sup> *Id.* ("Such [an officer] certification could be accompanied by current customer billing records, appropriately redacted to preserve customer privacy."). As noted earlier, and as reflected in some of the sample customer bills provided in Attachment E, some Bluegrass Cellular customers receive fixed Internet access service at or above 3 Mbps (down) / 768 kbps (up) from the Company under the GetSetGo<sup>TM</sup> name, as opposed to the Bluegrass Cellular name.

#### ATTACHMENT A

Advertisements for Bluegrass Fixed Wireless Internet Service

# CONNECT TO MORE. INSTANTLY.

### With Bluegrass Cellular's fast wireless Internet.

Turn your house into a powerful 4G Internet hotspot to start connecting online with the people that matter the most almost instantly. You'll be amazed how much you'll save by adding this service to your voice plan. Come put our wireless services to the test today, and you'll also receive \$20.00 off your monthly fee.





\*with a 2-year agreement. Retail: \$325.00.

Just plug it in for fast 4G Wifi Internet Connect multiple devices Enhanced security features



 $blue grass cellular.com\\800-928-2355$ 



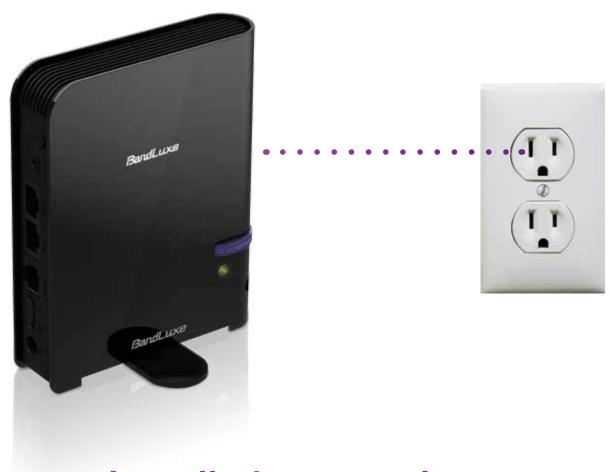




Shop anytime, sign up for community news and special offers or find a career at bluegrasscellular.com.

Sale dates August 4—August 24. Requires purchase of router and new or renewed two-year broadband service plan, which is subject to plan Terms and Conditions (including activation fee and early termination fees). Offer limited to one per eligible service plan. Does not apply to previous purchases, and cannot be combined with any other offer, Limited-time offer, available only while supplies last. Available brand, model and technical specifications of router may vary. Broadband service plan may not be available for all monthly data amounts, devices or geographical areas. 3G and 4G hi-speed data service requires a compatible device and service plan, is subject to performance limitations and may not be available in all areas. 4G is available on select devices only. Certain applications and features may not be available. Other restrictions may apply. Call. 1-800-928-CELL or visit your nearest Bluegrass Cellular location for details. © 2013 Bluegrass Cellular, Inc. All rights reserved.

# Step one. Plug in.



# Installation complete.

Get running faster with GetSetGo. Plug it in, turn it on and without any wires or installation, you've got a high-speed 4G connection to the World Wide Web. Whether you live in an area that's not served by other providers or you're just fed up with the hassles of the service you already have, GetSetGo offers a faster, easier alternative to traditional DSL or Broadband Internet. Plans start at just \$20/month.

For more information or to order, call 855–326–3278 or visit us online at MyGetSetGo.com.



wireless. internet. easy."



## **Introducing GetSetGo™ wireless Internet.**

GetSetGo is simple. Plug it in, turn it on and without any wires or installation, you've got a high-speed 4G connection to the World Wide Web.

The BandLuxe R529 router/modem allows you to access the speed and simplicity of GetSetGo wireless service at home.

#### Features include

- LTE/EVDO VoIP
- Supports WAN/LAN Ethernet port
- Dual embedded cellular antenna
- Upload up to 5 Mbps, download up to 12 Mbps

For more information, visit us online at MyGetSetGo.com, call 1-855-326-3278 or stop by your nearest GetSetGo location.

Limited promotional pricing available. Some restrictions apply.









#### ATTACHMENT B

List of Census Blocks Where Bluegrass Already Provides Fixed Internet Access Service at 3 Mpbs (downlink)/768 kbps (uplink)

Census Block ID	LAT_centroid	LON_Centroid	State	Carrier	Centroid Covered
212219701002051	36.955399000	-87.756355000	KY	AT&T	Y
212219701002003	36.979220000	-87.754342000	KY	AT&T	Y
212219701002075	36.923472000	-87.748955000	KY	AT&T	Y
212219701002001	36.985226000	-87.746516000	KY	AT&T	Y
212219701002038	36.974233000	-87.742200000	KY	AT&T	Y
212219701002006	36.977165000	-87.740014000	KY	AT&T	Y
212219701002074	36.940960000	-87.732521000	KY	AT&T	Y
212219701002035	36.964305000	-87.732090000	KY	AT&T	Y
212219701002082	36.915064000	-87.729657000	KY	AT&T	Y
212219701002007	36.981824000	-87.725140000	KY	AT&T	Y
210472010002120	37.000212000	-87.723631000	KY	AT&T	Y
212219701002032	36.959590000	-87.720286000	KY	AT&T	Y
210472010002089	37.010346000	-87.719548000	KY	AT&T	Y
212219701002045	36.938049000	-87.713181000	KY	AT&T	Y
212219701002043	36.959586000	-87.711888000	KY	AT&T	Y
212219701002033	36.961024000	-87.710750000	KY	AT&T	Y
212219701002031	36.962581000	-87.709927000	KY	AT&T	Y
212219701002031	36.950606000	-87.707735000	KY	AT&T	Y
212219701002049	36.955232000	-87.706789000	KY	AT&T	Y
212219701002028	36.799965000	-87.705750000	KY	AT&T	Y
212219702004113	36.957069000	-87.704524000	KY	AT&T	Y
210472010002027	37.031608000	-87.702351000	KY	AT&T	Y
212219701002017	36.963277000	-87.701016000	KY	AT&T	Y
210472010002017	37.007506000	-87.698622000	KY	AT&T	Y
212219701002015	36.971212000	-87.696346000	KY	AT&T	Y
212219701002013	36.951914000	-87.696036000	KY	AT&T	Y
212219701002023	36.955877000	-87.694312000	KY	AT&T	Y
212219701002020	36.910453000	-87.692320000	KY	AT&T	Y
210472010002081	37.070166000	-87.691860000	KY	AT&T	Y
212219702004109	36.825957000	-87.689625000	KY	AT&T	Y
212219702004109	36.805632000	-87.689551000	KY	AT&T	Y
212219702004113			KY		Y
212219701002039	36.940659000	-87.686324000	KY	AT&T AT&T	Y
	36.820034000	-87.684128000	KY		Y
212219701002041	36.929208000	-87.683607000		AT&T AT&T	Y
210472010002079	37.028124000	-87.678408000	KY		Y
212219701002023	36.953938000	-87.677349000	KY	AT&T	
212219702004114	36.812425000	-87.675646000	KY	AT&T	Y Y
212219702004064	36.827139000	-87.675607000	KY	AT&T	Y
210472010001049	36.977367000	-87.658680000	KY	AT&T	
210472010001036	36.980164000	-87.652327000	KY	AT&T	Y
210472014001010	36.829764000	-87.650243000	KY	AT&T	Y
210472010001025	37.002775000	-87.649302000	KY	AT&T	Y
210472014001000	36.849144000	-87.619994000	KY	AT&T	Y
210472010001041	36.967755000	-87.608886000	KY	AT&T	Y
210472011003059	37.086154000	-87.395964000	KY	AT&T	Y
210472012002016	36.865973000	-87.313310000	KY	AT&T	Y
210472013011001	36.845181000	-87.306476000	KY	AT&T	Y
210472013011025	36.842836000	-87.300814000	KY	AT&T	Y
210472013011000	36.845272000	-87.300627000	KY	AT&T	Y
210472012002068	36.851208000	-87.300328000	KY	AT&T	Y
212199502003017	36.841502000	-87.298596000	KY	AT&T	Y
212199502002030	36.861225000	-87.297209000	KY	AT&T	Y
212199502003031	36.816158000	-87.297152000	KY	AT&T	Y

Census Block ID	LAT_centroid	LON_Centroid	State	Carrier	Centroid Covered
212199502003015	36.845223000	-87.294190000	KY	AT&T	Y
212199502003019	36.839656000	-87.291929000	KY	AT&T	Y
212199502002029	36.868985000	-87.290816000	KY	AT&T	Y
212199502002027	36.863784000	-87.280884000	KY	AT&T	Y
212199502002019	36.884938000	-87.271231000	KY	AT&T	Y
212199504001010	36.787555000	-87.269410000	KY	AT&T	Y
212199502003012	36.832949000	-87.266876000	KY	AT&T	Y
212199502003027	36.813820000	-87.265882000	KY	AT&T	Y
212199502002018	36.885896000	-87.256267000	KY	AT&T	Y
212199502003011	36.831160000	-87.254014000	KY	AT&T	Y
212199502002114	36.884744000	-87.243746000	KY	AT&T	Y
212199501002098	36.942743000	-87.232923000	KY	AT&T	Y
212199501002114	36.908213000	-87.224827000	KY	AT&T	Y
212199501002101	36.954774000	-87.215048000	KY	AT&T	Y
212199501002135	36.880619000	-87.213081000	KY	AT&T	Y
212199502002008	36.872310000	-87.210372000	KY	AT&T	Y
212199502002046	36.853141000	-87.203264000	KY	AT&T	Y
212199502002045	36.857830000	-87.196945000	KY	AT&T	Y
212199501002118	36.910505000	-87.196762000	KY	AT&T	Y
212199501002088	36.981245000	-87.183778000	KY	AT&T	Y
212199501002141	36.961140000	-87.180338000	KY	AT&T	Y
212199502002002	36.886599000	-87.179755000	KY	AT&T	Y
212199501002137	36.917757000	-87.179429000	KY	AT&T	Y
212199502002000	36.892903000	-87.179289000	KY	AT&T	Y
212199502002005	36.858307000	-87.178706000	KY	AT&T	Y
212199502002003	36.875986000	-87.175308000	KY	AT&T	Y
212199502001015	36.889064000	-87.166209000	KY	AT&T	Y
212199502001016	36.885312000	-87.165366000	KY	AT&T	Y
212199502001017	36.877400000	-87.164202000	KY	AT&T	Y
212199502001018	36.870259000	-87.162334000	KY	AT&T	Y
212199501002089	36.966277000	-87.159555000	KY	AT&T	Y
212199502001019	36.857994000	-87.158665000	KY	AT&T	Y
212199502001012	36.878315000	-87.152461000	KY	AT&T	Y
212199501001009	36.985242000	-87.096756000	KY	AT&T	Y
212199503002009	36.649118000	-87.079240000	KY	AT&T	Y
210859506002044	37.435631000	-86.533555000	KY	Windstream	Y
210859506003005	37.428922000	-86.533356000	KY	Windstream	Y
210859506003008	37.420521000	-86.531873000	KY	Windstream	Y
210859506003062	37.399411000	-86.493618000	KY	Windstream	Y
210859506003075	37.373449000	-86.491292000	KY	Windstream	Y
210859506003084	37.362070000	-86.484307000	KY	Windstream	Y
212139701002023	36.657658000	-86.466437000	KY	AT&T	Y
210859506004022	37.391703000	-86.455833000	KY	Windstream	Y
210859507001036	37.577696000	-86.453452000	KY	Windstream	Y
210859506001046	37.407111000	-86.451561000	KY	Windstream	Y
210859507003005	37.574469000	-86.450493000	KY	Windstream	Y
210859506004024	37.399423000	-86.442714000	KY	Windstream	Y
210859506001047	37.409557000	-86.429721000	KY	Windstream	Y
210859506001009	37.425878000	-86.425274000	KY	Windstream	Y
210859507003024	37.532984000	-86.425244000	KY	Windstream	Y
210859506004029	37.391575000	-86.417670000	KY	Windstream	Y
210279605021051	37.582830000	-86.413056000	KY	Windstream	Y
210859504004046	37.474376000	-86.412992000	KY	Windstream	Y

Census Block ID	LAT_centroid	LON_Centroid	State	Carrier	Centroid Covered
210859504004052	37.442797000	-86.411206000	KY	Windstream	Y
210859507003042	37.510442000	-86.410857000	KY	Windstream	Y
210859506001048	37.410000000	-86.409347000	KY	Windstream	Y
210859504004044	37.459695000	-86.408670000	KY	Windstream	Y
210859506004019	37.377570000	-86.402634000	KY	Windstream	Y
210859507003035	37.520049000	-86.384737000	KY	Windstream	Y
210859506004002	37.396183000	-86.383753000	KY	Windstream	Y
210859504003042	37.496917000	-86.378531000	KY	Windstream	Y
210859504004018	37.474164000	-86.367902000	KY	Windstream	Y
210859504004023	37.470880000	-86.365107000	KY	Windstream	Y
210859504004016	37.478842000	-86.360794000	KY	Windstream	Y
210859505002062	37.353541000	-86.273698000	KY	Windstream	Y
210859505002064	37.340701000	-86.241814000	KY	Windstream	Y
210859505002066	37.341903000	-86.238854000	KY	Windstream	Y
210859505002081	37.340759000	-86.237524000	KY	Windstream	Y
210930017001081	37.585167000	-86.217547000	KY	Windstream	Y
210619204003022	37.108455000	-86.207396000	KY	Windstream	Y
210859505002018	37.361969000	-86.198032000	KY	Windstream	Y
210619204003031	37.102624000	-86.166688000	KY	Windstream	Y
210859501003029	37.362822000	-86.164777000	KY	Windstream	Y
210859501003029	37.361976000	-86.162089000	KY	Windstream	Y
210619204003034	37.097005000	-86.148414000	KY	Windstream	Y
210859501003007	37.361781000	-86.144231000	KY	Windstream	Y
210999703002031	37.338656000	-86.140805000	KY	Windstream	Y
210859501003006	37.368238000	-86.131120000	KY	Windstream	Y
210619204004013	37.084215000	-86.115047000	KY	Windstream	Y
210930017001019	37.738520000	-86.108020000	KY	Windstream	Y
210930017001019	37.605325000	-86.104180000	KY	Windstream	Y
210930017000022	37.722639000	-86.100375000	KY	Windstream	Y
210930017001037	37.738463000	-86.091619000	KY	Windstream	Y
210930017001020	37.548969000	-86.089792000	KY	Windstream	Y
210930010007040	37.075679000	-86.085828000	KY	Windstream	Y
		-86.085800000	KY	Windstream	Y
210619204004021 210619204004032	37.068342000 37.057534000		KY		Y
		-86.082635000	KY	Windstream	Y
210930017001028	37.740598000	-86.082033000		Windstream	Y
210099510001019	37.029411000	-86.078564000	KY	Windstream	
210930017001033	37.732490000	-86.078044000	KY	Windstream	Y
210099510001007	37.037475000	-86.076832000	KY	Windstream	Y
210099510001029	37.023728000	-86.066936000	KY	Windstream	Y
210099510001028	37.023573000	-86.066740000	KY	Windstream	Y
210930016007038	37.539126000	-86.065135000	KY	Windstream	Y
210099503002025	37.056626000	-86.064700000	KY	Windstream	Y
210930009011011	37.761123000	-86.063921000	KY	Windstream	Y
210099510001027	37.022132000	-86.060487000	KY	Windstream	Y
210099510001024	37.007543000	-86.057879000	KY	Windstream	Y
210099503002034	37.044095000	-86.049567000	KY	Windstream	Y
210099510001022	37.026706000	-86.045895000	KY	Windstream	Y
210099503002033	37.045062000	-86.036168000	KY	Windstream	Y
210099503002026	37.057868000	-86.031039000	KY	Windstream	Y
210099503002044	37.028112000	-86.026572000	KY	Windstream	Y
210930009012048	37.754573000	-86.023714000	KY	Windstream	Y
210099503002032	37.043351000	-86.023147000	KY	Windstream	Y
210099503002045	37.036768000	-86.022740000	KY	Windstream	Y

Census Block ID	LAT_centroid	LON_Centroid	State	Carrier	Centroid Covered
210930017005037	37.604692000	-86.013631000	KY	Windstream	Y
210930009012046	37.769033000	-85.999911000	KY	Windstream	Y
210930009012045	37.774044000	-85.996295000	KY	Windstream	Y
210930009012032	37.784864000	-85.995460000	KY	Windstream	Y
210930017005044	37.598591000	-85.994974000	KY	Windstream	Y
210930009012041	37.771814000	-85.993131000	KY	Windstream	Y
210930016007013	37.582790000	-85.992969000	KY	Windstream	Y
210930009012044	37.757485000	-85.982665000	KY	Windstream	Y
210930009014014	37.754107000	-85.981422000	KY	Windstream	Y
210930016002078	37.586621000	-85.950010000	KY	Windstream	Y
211239603003016	37.519280000	-85.812886000	KY	Windstream	Y
211239603003015	37.533328000	-85.808397000	KY	Windstream	Y
211239603003001	37.543695000	-85.801924000	KY	Windstream	Y
211239603003028	37.505737000	-85.797436000	KY	Windstream	Y
211239603002003	37.496787000	-85.777008000	KY	Windstream	Y
211239601022018	37.558999000	-85.763185000	KY	Windstream	Y
210290209001019	38.044319000	-85.761255000	KY	Windstream	Y
211239603002000	37.526244000	-85.750833000	KY	Windstream	Y
210290208002041	38.065035000	-85.735808000	KY	Windstream	Y
211110120011010	38.101085000	-85.718519000	KY	Windstream	Y
210879301001107	37.390790000	-85.653393000	KY	Windstream	Y
210290204002007	38.049250000	-85.648893000	KY	Windstream	Y
210290204002000	38.058626000	-85.645503000	KY	Windstream	Y
210879303001019	37.229766000	-85.643494000	KY	Windstream	Y
210290204002006	38.051309000	-85.643121000	KY	Windstream	Y
210879301003005	37.367571000	-85.642247000	KY	Windstream	Y
210879301003003	37.380605000	-85.618665000	KY	Windstream	Y
210879303002028	37.248697000	-85.618650000	KY	Windstream	Y
210879303002026	37.226731000	-85.603383000	KY	Windstream	Y
211799306001022	37.806514000	-85.586484000	KY	AT&T	Y
210879303002037	37.194081000	-85.539613000	KY	Windstream	Y
210879304002005	37.189993000	-85.530263000	KY	Windstream	Y
211239602001059	37.477456000	-85.506432000	KY	Windstream	Y
210579501002076	36.784636000	-85.496681000	KY	Windstream	Y
210579501002070	36.802569000	-85.472941000	KY	Windstream	Y
212179202001010	37.467195000	-85.470420000	KY	Windstream	Y
210579501002087	36.811004000	-85.468757000	KY	Windstream	Y
210579501002087	36.804178000	-85.466328000	KY	Windstream	Y
210379301002091	37.291517000	-85.459905000	KY	Windstream	Y
211559705001091	37.467411000	-85.458984000	KY	Windstream	Y
			KY	Windstream	Y
210879302001026	37.296097000 37.469026000	-85.458554000 85.458338000	KY	Windstream	Y
212179202001007		-85.458338000 85.455270000		-	Y
212179202001004 212179202002049	37.469398000	-85.455270000 85.452775000	KY	Windstream	Y
	37.364836000	-85.453775000 85.453451000	KY	Windstream	Y
210879302001016	37.305419000	-85.453451000 85.451227000	KY KY	Windstream	Y
210579501002098	36.789532000	-85.451337000 85.450074000		Windstream	Y
210879304001033	37.195923000	-85.450974000	KY	Windstream	Y
212179202001002	37.470288000	-85.449122000 85.447466000	KY	Windstream	Y
210019705001003	37.126797000	-85.447466000	KY	Windstream	Y
210579501002097	36.798531000	-85.446184000	KY	Windstream	Y
210579501002092	36.806949000	-85.445651000	KY	Windstream	Y
210879302001018	37.304379000	-85.440039000	KY	Windstream	
210879304001032	37.188387000	-85.439894000	KY	Windstream	Y

Census Block ID	LAT_centroid	LON_Centroid	State	Carrier	Centroid Covered
212179204001060	37.305315000	-85.436991000	KY	Windstream	Y
210019705001073	37.099373000	-85.436034000	KY	Windstream	Y
210879302001019	37.302524000	-85.435208000	KY	Windstream	Y
210579501002096	36.795445000	-85.434028000	KY	Windstream	Y
212179204001059	37.304948000	-85.433825000	KY	Windstream	Y
210579501002111	36.787659000	-85.432498000	KY	Windstream	Y
210019705001011	37.116349000	-85.429776000	KY	Windstream	Y
210879304001014	37.200537000	-85.429383000	KY	Windstream	Y
212179204001054	37.305603000	-85.428957000	KY	Windstream	Y
212179204001055	37.309850000	-85.428217000	KY	Windstream	Y
210579501002112	36.783095000	-85.427945000	KY	Windstream	Y
210579501001052	36.834564000	-85.427645000	KY	Windstream	Y
212179204001057	37.307671000	-85.426269000	KY	Windstream	Y
212179204001050	37.306035000	-85.424892000	KY	Windstream	Y
210579501002117	36.799709000	-85.423839000	KY	Windstream	Y
210579501002113	36.780770000	-85.422177000	KY	Windstream	Y
210019702001087	37.133190000	-85.421251000	KY	Windstream	Y
212179204001049	37.311294000	-85.420740000	KY	Windstream	Y
210579502003003	36.761364000	-85.420426000	KY	Windstream	Y
210579501003024	36.778326000	-85.418033000	KY	Windstream	Y
210579501003022	36.786132000	-85.415577000	KY	Windstream	Y
210579501004035	36.792765000	-85.413620000	KY	Windstream	Y
210019705001001	37.125562000	-85.410931000	KY	Windstream	Y
210579501003023	36.777634000	-85.410797000	KY	Windstream	Y
210579501003023	36.791466000	-85.410600000	KY	Windstream	Y
210019705001029	37.109571000	-85.409300000	KY	Windstream	Y
210579501003020	36.779746000	-85.407195000	KY	Windstream	Y
210579501004033	36.791940000	-85.407016000	KY	Windstream	Y
210579501004033	36.791846000	-85.406171000	KY	Windstream	Y
210019705001030	37.114933000	-85.401817000	KY	Windstream	Y
210019702001030	37.121719000	-85.399898000	KY	Windstream	Y
210579501004006	36.795731000	-85.398703000	KY	Windstream	Y
210579501004000	36.825568000	-85.397795000	KY	Windstream	Y
210579501004001	36.794697000	-85.397429000	KY	Windstream	Y
210579501003010	36.774560000	-85.395986000	KY	Windstream	Y
210579501003039	36.783355000	-85.394043000	KY	Windstream	Y
210019705001038	37.094250000	-85.388976000	KY	Windstream	Y
210019705001038	37.035139000	-85.378041000	KY	Windstream	Y
210019703002013	37.143831000	-85.376941000	KY	Windstream	Y
210019702001071	37.061387000	-85.376339000	KY	Windstream	Y
210019703002001	37.119601000	-85.375837000	KY	Windstream	Y
210019704013011	37.098667000	-85.375543000	KY	Windstream	Y
210879304001040	37.203662000	-85.371957000	KY	Windstream	Y
210019704013012	37.110875000	-85.371722000	KY	Windstream	Y
210019704013012	37.076513000	-85.371404000	KY	Windstream	Y
210019703001046	37.111792000	-85.371404000	KY	Windstream	Y
210019704013013	37.11792000	-85.370455000	KY	Windstream	Y
210019705001041	37.048456000	-85.368206000	KY	Windstream	Y
212179205002030	37.261770000	-85.367618000	KY	Windstream	Y
			KY		Y
210019704011073	37.041140000	-85.366866000 85.362135000		Windstream	Y
210019704011068 210019704011067	37.043710000	-85.362135000 85.350630000	KY KY	Windstream	Y
	37.048157000	-85.359630000 85.358155000		Windstream	Y
210019704011053	37.057023000	-85.358155000	KY	Windstream	Υ

Census Block ID	LAT_centroid	LON_Centroid	State	Carrier	Centroid Covered
210019702001077	37.142231000	-85.356771000	KY	Windstream	Y
210019704011063	37.048141000	-85.355196000	KY	Windstream	Y
212179202003042	37.470204000	-85.354642000	KY	Windstream	Y
210019704013015	37.105043000	-85.353636000	KY	Windstream	Y
212179205003034	37.205586000	-85.352658000	KY	Windstream	Y
210019704011065	37.056640000	-85.352223000	KY	Windstream	Y
210019704013016	37.090743000	-85.351814000	KY	Windstream	Y
210019704013028	37.075685000	-85.351535000	KY	Windstream	Y
210019702001061	37.182751000	-85.350420000	KY	Windstream	Y
210019702001084	37.122669000	-85.349364000	KY	Windstream	Y
212179205002064	37.218109000	-85.345144000	KY	Windstream	Y
210019704011061	37.039688000	-85.344629000	KY	Windstream	Y
210019704013018	37.078258000	-85.344263000	KY	Windstream	Y
211559705002030	37.468681000	-85.343386000	KY	Windstream	Y
210019702001078	37.142934000	-85.342841000	KY	Windstream	Y
210019704013021	37.077713000	-85.341822000	KY	Windstream	Y
210019704013020	37.079457000	-85.341707000	KY	Windstream	Y
210019704013002	37.112204000	-85.341537000	KY	Windstream	Y
212179205002051	37.220845000	-85.341369000	KY	Windstream	Y
210019704013019	37.081199000	-85.340847000	KY	Windstream	Y
210019704011051	37.064791000	-85.340501000	KY	Windstream	Y
212179205003035	37.206447000	-85.338802000	KY	Windstream	Y
210019702001032	37.204115000	-85.337042000	KY	Windstream	Y
210019702001032	37.134834000	-85.336988000	KY	Windstream	Y
210019702001000	37.146342000	-85.332543000	KY	Windstream	Y
210019702001079	37.051185000	-85.330220000	KY	Windstream	Y
210019704011050	37.072955000	-85.326376000	KY	Windstream	Y
210019702001067	37.158890000	-85.323731000	KY	Windstream	Y
212179202003020	37.422069000	-85.322210000	KY	Windstream	Y
210019702001048	37.202614000	-85.304002000	KY	Windstream	Y
210019702001048	37.174992000	-85.300565000	KY	Windstream	Y
210019702001044	37.212031000	-85.299708000	KY	Windstream	Y
210019702001020	37.212031000	-85.298354000	KY	Windstream	Y
210019702001027	37.157005000	-85.297571000	KY	Windstream	Y
210019704023000	37.192270000	-85.296791000	KY	Windstream	Y
210019702001030	37.142213000	-85.291992000	KY	Windstream	Y
210019704023002	37.199681000	-85.291829000	KY	Windstream	Y
210019702001009	37.085675000	-85.283587000	KY	Windstream	Y
210019704011032	37.095870000	-85.282891000	KY	Windstream	Y
210019704021040	37.093870000	-85.276170000	KY	Windstream	Y
210019704011033	37.145413000	-85.274725000	KY	Windstream	Y
210019704021000	37.100100000		KY	Windstream	Y
		-85.273699000		-	Y
210019704021033 210019704021031	37.090028000	-85.270909000 -85.270591000	KY	Windstream	Y
	37.092937000		KY	Windstream	Y
210019704021030 212179201002024	37.097063000	-85.270525000 -85.270024000	KY KY	Windstream	Y
<u> </u>	37.416052000			Windstream	Y
210019704021061	37.093366000	-85.266107000	KY	Windstream	Y
210019704011002	37.088163000	-85.265037000 85.262022000	KY	Windstream	Y
210019704021058	37.095555000	-85.262922000 85.262722000	KY	Windstream	Y
210019704021059	37.102375000	-85.262723000 85.262712000	KY	Windstream	Y
210019704011013	37.085573000	-85.262712000	KY	Windstream	Y
210019704021006	37.130882000	-85.259886000	KY	Windstream	
210019704011001	37.085353000	-85.257980000	KY	Windstream	Y

	LAT_centroid	LON_Centroid	State	Carrier	<b>Centroid Covered</b>
210019706001010	37.065892000	-85.257395000	KY	Windstream	Y
210019704021063	37.089307000	-85.255636000	KY	Windstream	Y
210019704021008	37.121806000	-85.254760000	KY	Windstream	Y
210019704021044	37.103988000	-85.252380000	KY	Windstream	Y
210019704011011	37.077286000	-85.252216000	KY	Windstream	Y
210019704021046	37.107788000	-85.250858000	KY	Windstream	Y
210019702001040	37.192415000	-85.245823000	KY	Windstream	Y
210019704011095	37.078981000	-85.245294000	KY	Windstream	Y
210019704021005	37.141738000	-85.244896000	KY	Windstream	Y
210019704021064	37.087098000	-85.244315000	KY	Windstream	Y
210019704011000	37.082157000	-85.244143000	KY	Windstream	Y
210019702001041	37.192086000	-85.240995000	KY	Windstream	Y
210539702012065	36.735628000	-85.239027000	KY	Windstream	Y
210019704021009	37.129036000	-85.237947000	KY	Windstream	Y
210539702012033	36.670282000	-85.236283000	KY	Windstream	Y
210019703003026	37.078417000	-85.234127000	KY	Windstream	Y
210019704021065	37.091436000	-85.230681000	KY	Windstream	Y
210019703003031	37.063224000	-85.226985000	KY	Windstream	Y
210019703002016	37.114691000	-85.225368000	KY	Windstream	Y
210019704021068	37.082182000	-85.223571000	KY	Windstream	Y
210539702012027	36.659954000	-85.220151000	KY	Windstream	Y
210019704021052	37.086029000	-85.217482000	KY	Windstream	Y
210539702012035	36.658376000	-85.214677000	KY	Windstream	Y
210539702012021	36.673707000	-85.212329000	KY	Windstream	Y
210019703002017	37.114934000	-85.211820000	KY	Windstream	Y
210019703002017	37.128588000	-85.211778000	KY	Windstream	Y
210019701002024	37.195217000	-85.204975000	KY	Windstream	Y
210019701002018	37.210931000	-85.202892000	KY	Windstream	Y
210019701001022	37.231786000	-85.202126000	KY	Windstream	Y
210019703002018	37.112296000	-85.200264000	KY	Windstream	Y
210539701002022	36.835970000	-85.197514000	KY	Windstream	Y
210019703002012	37.129218000	-85.197138000	KY	Windstream	Y
210539702012009	36.733671000	-85.194856000	KY	Windstream	Y
210539702012045	36.676673000	-85.193130000	KY	Windstream	Y
210539702012045	36.720823000	-85.192286000	KY	Windstream	Y
210539702012013	36.640754000	-85.191458000	KY	Windstream	Y
210019703002006	37.140440000	-85.188763000	KY	Windstream	Y
210539702012018	36.713154000	-85.187039000	KY	Windstream	Y
210539702012016	36.719469000	-85.184733000	KY	Windstream	Y
210539702012010	36.818511000	-85.184054000	KY	Windstream	Y
210019703002009	37.126247000	-85.183193000	KY	Windstream	Y
210539702012019	36.677470000	-85.183026000	KY	Windstream	Y
210539702012019	36.714476000	-85.181059000	KY	Windstream	Y
210539702012092	36.793261000	-85.180680000	KY	Windstream	Y
210539701002032	36.789798000	-85.179509000	KY	Windstream	Y
210539702011004	36.736710000	-85.179277000	KY	Windstream	Y
210539701002040	36.786595000	-85.177188000	KY	Windstream	Y
210539702011012	36.715916000	-85.176719000	KY	Windstream	Y
210019703003036	37.069396000	-85.171702000	KY	Windstream	Y
210539702011013	36.705051000	-85.170703000	KY	Windstream	Y
210539702011070	36.660743000	-85.169059000	KY	Windstream	Y
210539701002006	36.832652000	-85.166839000	KY	Windstream	Y
210539702011014	36.697463000	-85.164796000	KY	Windstream	Y

Census Block ID	LAT_centroid	LON_Centroid	State	Carrier	Centroid Covered
210539702023062	36.639391000	-85.164439000	KY	Windstream	Y
210539702011015	36.706614000	-85.164313000	KY	Windstream	Y
210539702011056	36.677222000	-85.162886000	KY	Windstream	Y
210539701002052	36.773097000	-85.162764000	KY	Windstream	Y
210539702023054	36.637188000	-85.162733000	KY	Windstream	Y
210539702011059	36.665531000	-85.161012000	KY	Windstream	Y
210539702023053	36.637931000	-85.160925000	KY	Windstream	Y
210539702011069	36.663569000	-85.160226000	KY	Windstream	Y
210539702011058	36.669033000	-85.160073000	KY	Windstream	Y
210539701002009	36.824426000	-85.159493000	KY	Windstream	Y
210539702023052	36.647696000	-85.159265000	KY	Windstream	Y
210019703003013	37.101353000	-85.156995000	KY	Windstream	Y
210539702011007	36.728839000	-85.154988000	KY	Windstream	Y
210539701002030	36.804881000	-85.153326000	KY	Windstream	Y
210019703003003	37.102943000	-85.149212000	KY	Windstream	Y
212079601023005	37.054219000	-85.147904000	KY	Windstream	Y
210539701002063	36.761987000	-85.147749000	KY	Windstream	Y
212079601023049	37.049667000	-85.147497000	KY	Windstream	Y
210019703002022	37.118806000	-85.143611000	KY	Windstream	Y
212079601023051	37.048969000	-85.143389000	KY	Windstream	Y
210539701002104	36.752780000	-85.142294000	KY	Windstream	Y
210019703003015	37.065576000	-85.139994000	KY	Windstream	Y
212079601023002	37.062479000	-85.138358000	KY	Windstream	Y
210539701002064	36.769817000	-85.137304000	KY	Windstream	Y
212079601023050	37.048338000	-85.136116000	KY	Windstream	Y
210019703001027	37.173243000	-85.136058000	KY	Windstream	Y
210019703003002	37.104918000	-85.133194000	KY	Windstream	Y
212079601011060	37.074866000	-85.132517000	KY	Windstream	Y
210019703003008	37.081741000	-85.131861000	KY	Windstream	Y
210019703003000	37.158633000	-85.130234000	KY	Windstream	Y
210539701002106	36.746155000	-85.130091000	KY	Windstream	Y
210539701002103	36.751228000	-85.129530000	KY	Windstream	Y
212079601011059	37.077548000	-85.128222000	KY	Windstream	Y
210539701002067	36.766183000	-85.127660000	KY	Windstream	Y
212079601011011	37.074766000	-85.124509000	KY	Windstream	Y
212079601023000	37.067625000	-85.124391000	KY	Windstream	Y
210019703002023	37.120607000	-85.123705000	KY	Windstream	Y
210539701002060	36.816709000	-85.123570000	KY	Windstream	Y
210539701002056	36.805567000	-85.122793000	KY	Windstream	Y
210539701002030	36.745608000	-85.122387000	KY	Windstream	Y
210539701002088	36.816137000	-85.122216000	KY	Windstream	Y
212079601023025	37.050957000	-85.122020000	KY	Windstream	Y
210539701002068	36.769029000	-85.121420000	KY	Windstream	Y
210539701002008	36.750719000	-85.120839000	KY	Windstream	Y
212079601023007	37.058312000	-85.120484000	KY	Windstream	Y
210019703003007	37.094148000	-85.118721000	KY	Windstream	Y
210539701002100	36.748597000	-85.117384000	KY	Windstream	Y
210539701002100	36.746308000	-85.116992000	KY	Windstream	Y
212079601011010	37.086700000	-85.116307000	KY	Windstream	Y
212079601023008	37.062796000	-85.116255000	KY	Windstream	Y
210539701002101	36.756386000	-85.116074000	KY	Windstream	Y
210019703003001	37.105262000	-85.115997000	KY	Windstream	Y
210539701002087	36.749304000	-85.115173000	KY	Windstream	Y

Census Block ID	LAT_centroid	LON_Centroid	State	Carrier	Centroid Covered
210539701002099	36.746030000	-85.113127000	KY	Windstream	Y
210539701002102	36.758569000	-85.113067000	KY	Windstream	Y
210539701002092	36.749453000	-85.109643000	KY	Windstream	Y
212079601011005	37.105562000	-85.106003000	KY	Windstream	Y
212079601011013	37.098027000	-85.105452000	KY	Windstream	Y
210539701002085	36.750679000	-85.105445000	KY	Windstream	Y
212079601011004	37.108503000	-85.104397000	KY	Windstream	Y
210539701001055	36.794220000	-85.103156000	KY	Windstream	Y
210019703002034	37.112175000	-85.101551000	KY	Windstream	Y
210539701002080	36.762232000	-85.098846000	KY	Windstream	Y
212079601011002	37.118217000	-85.095727000	KY	Windstream	Y
212079601011014	37.097468000	-85.094640000	KY	Windstream	Y
212079601011001	37.115670000	-85.089943000	KY	Windstream	Y
210539701001053	36.785863000	-85.070024000	KY	Windstream	Y
210539701001016	36.834687000	-85.063161000	KY	Windstream	Y
210539701001029	36.824071000	-85.059514000	KY	Windstream	Y
210539701001017	36.829677000	-85.056868000	KY	Windstream	Y
210539701001050	36.785188000	-85.049469000	KY	Windstream	Y
210539701001071	36.779908000	-85.049468000	KY	Windstream	Y
210539701001032	36.812507000	-85.045711000	KY	Windstream	Y
212319204001049	36.832879000	-85.041514000	KY	Windstream	Y
210539701001086	36.759489000	-85.036603000	KY	Windstream	Y
210539701001067	36.764160000	-85.031736000	KY	Windstream	Y
210539701001043	36.780774000	-85.030252000	KY	Windstream	Y
210539701001084	36.760166000	-85.029596000	KY	Windstream	Y
210539701001092	36.752992000	-85.021407000	KY	Windstream	Y
210539701001064	36.767909000	-85.016109000	KY	Windstream	Y
210539701001088	36.762934000	-85.014946000	KY	Windstream	Y
210539701001091	36.760172000	-85.008618000	KY	Windstream	Y
212319207001085	36.737471000	-84.854430000	KY	Windstream	Y
212319207001083	36.743161000	-84.853146000	KY	Windstream	Y
212319207001087	36.751600000	-84.852791000	KY	Windstream	Y
212319203003040	36.768520000	-84.849910000	KY	Windstream	Y
210459504001003	37.413100000	-84.846640000	KY	Windstream	Y
210459504001011	37.378435000	-84.842230000	KY	Windstream	Y
212319203003027	36.801832000	-84.829424000	KY	Windstream	Y
212319207001038	36.775034000	-84.827100000	KY	Windstream	Y
212319207001095	36.634905000	-84.820389000	KY	Windstream	Y
212319207001036	36.783663000	-84.813526000	KY	Windstream	Y
212319201005002	36.978359000	-84.795092000	KY	Windstream	Y
212319201005003	36.968480000	-84.793802000	KY	Windstream	Y
212319201005096	36.968072000	-84.787950000	KY	Windstream	Y
212319201005095	36.958812000	-84.783139000	KY	Windstream	Y
212319207002074	36.792498000	-84.782661000	KY	Windstream	Y
212319201005093	36.956326000	-84.779478000	KY	Windstream	Y
211999303001088	36.979997000	-84.767605000	KY	Windstream	Y
212319207001146	36.764352000	-84.751134000	KY	Windstream	Y
211999303001079	36.992176000	-84.744765000	KY	Windstream	Y
212319207002071	36.783558000	-84.737260000	KY	Windstream	Y
211999303001082	36.981139000	-84.726466000	KY	Windstream	Y
211999303001030	37.020236000	-84.721731000	KY	Windstream	Y
211999303002069	37.053407000	-84.708588000	KY	Windstream	Y
211999303001016	37.050343000	-84.703141000	KY	Windstream	Y

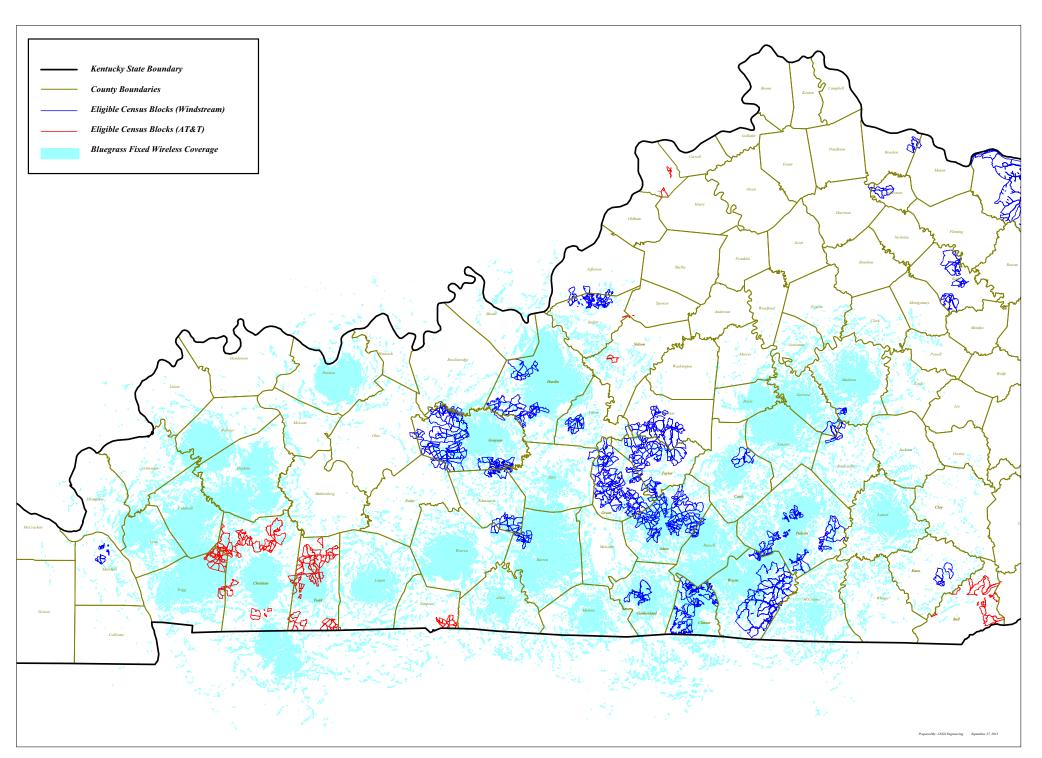
Census Block ID	LAT_centroid	LON_Centroid	State	Carrier	Centroid Covered
211999303001027	37.030422000	-84.702863000	KY	Windstream	Y
211999303002061	37.056791000	-84.693289000	KY	Windstream	Y
211999303002062	37.054395000	-84.692574000	KY	Windstream	Y
211999303002064	37.058046000	-84.689279000	KY	Windstream	Y
211999303001020	37.040932000	-84.680418000	KY	Windstream	Y
211999303001018	37.036582000	-84.679663000	KY	Windstream	Y
211999304011011	37.120398000	-84.657678000	KY	Windstream	Y
211999304011014	37.122700000	-84.656956000	KY	Windstream	Y
211999304011017	37.120651000	-84.656747000	KY	Windstream	Y
211999304011010	37.119466000	-84.655200000	KY	Windstream	Y
211999305022032	37.059542000	-84.654667000	KY	Windstream	Y
211999305022035	37.059298000	-84.650847000	KY	Windstream	Y
211999305013050	37.047089000	-84.649207000	KY	Windstream	Y
211999305022007	37.060965000	-84.646966000	KY	Windstream	Y
211999304012004	37.138399000	-84.646245000	KY	Windstream	Y
211999304012046	37.123741000	-84.644663000	KY	Windstream	Y
211999304012053	37.121438000	-84.642932000	KY	Windstream	Y
211999305022060	37.043555000	-84.640388000	KY	Windstream	Y
211999304012020	37.127138000	-84.639662000	KY	Windstream	Y
211999305022054	37.048256000	-84.638471000	KY	Windstream	Y
211999305022013	37.055891000	-84.637936000	KY	Windstream	Y
211999304012038	37.122091000	-84.637035000	KY	Windstream	Y
211999305023058	37.065100000	-84.636740000	KY	Windstream	Y
211999305022016	37.063015000	-84.636737000	KY	Windstream	Y
211999305023057	37.064896000	-84.635827000	KY	Windstream	Y
211999305023068	37.063652000	-84.635133000	KY	Windstream	Y
211999304012022	37.125252000	-84.634512000	KY	Windstream	Y
211999305023067	37.059032000	-84.634196000	KY	Windstream	Y
211999305023056	37.062077000	-84.633705000	KY	Windstream	Y
211999305022019	37.055946000	-84.633059000	KY	Windstream	Y
211999305022020	37.055550000	-84.632244000	KY	Windstream	Y
212319207002014	36.855512000	-84.631960000	KY	Windstream	Y
211999305022021	37.054840000	-84.631872000	KY	Windstream	Y
212319207002003	36.882020000	-84.631675000	KY	Windstream	Y
211999305022022	37.053808000	-84.630146000	KY	Windstream	Y
211999305022022	37.058614000	-84.628790000	KY	Windstream	Y
211999304012033	37.115720000	-84.628322000	KY	Windstream	Y
211999305023050	37.071048000	-84.624209000	KY	Windstream	Y
211999303023050	36.946315000	-84.619399000	KY	Windstream	Y
211999311023031	36.941692000	-84.610048000	KY	Windstream	Y
211999311023047	36.935798000	-84.609222000	KY	Windstream	Y
211999311023030	37.153096000	-84.607732000	KY	Windstream	Y
211999304022016	37.130271000	-84.606942000	KY	Windstream	Y
211999304022016	37.141404000	-84.595922000	KY	Windstream	Y
211999304022003	37.155317000	-84.595339000	KY	Windstream	Y
211999304022004 211999311023072	36.936531000	-84.592359000	KY	Windstream	Y
211999311023072	37.126759000	-84.588820000	KY	Windstream	Y
211999304021098	37.136159000	-84.587705000	KY	Windstream	Y
211999304022013	37.157129000	-84.587581000	KY	Windstream	Y
211999304022002	37.134908000	-84.584560000	KY	Windstream	Y
211999304021034	36.937477000	-84.584216000	KY		Y
211999311023075	37.121888000	-84.584216000 -84.582956000	KY	Windstream Windstream	Y
					Y
211999304021040	37.147790000	-84.581954000	KY	Windstream	Υ

#### Details Regarding Unserved Census Blocks Being Challenged by Bluegrass Cellular

Census Block ID	LAT_centroid	LON_Centroid	State	Carrier	Centroid Covered
211999311023042	36.948076000	-84.580353000	KY	Windstream	Y
211999304021033	37.134453000	-84.579150000	KY	Windstream	Y
211999304021042	37.140275000	-84.577991000	KY	Windstream	Y
211999311023041	36.946881000	-84.574791000	KY	Windstream	Y
211999304021038	37.145228000	-84.573872000	KY	Windstream	Y
211999304021036	37.144274000	-84.573183000	KY	Windstream	Y
211999304021039	37.150215000	-84.573116000	KY	Windstream	Y
211999304021035	37.143918000	-84.572178000	KY	Windstream	Y
211999304021142	37.141262000	-84.571653000	KY	Windstream	Y
211999311022065	36.949717000	-84.570633000	KY	Windstream	Y
211999311022060	36.961793000	-84.570592000	KY	Windstream	Y
211999304021011	37.146655000	-84.570124000	KY	Windstream	Y
211999311023040	36.944941000	-84.568769000	KY	Windstream	Y
211999311022064	36.951251000	-84.564049000	KY	Windstream	Y
211999304021021	37.133433000	-84.558558000	KY	Windstream	Y
211999311022034	36.967767000	-84.538750000	KY	Windstream	Y
211999310001025	37.031281000	-84.402018000	KY	Windstream	Y
210799704002082	37.538222000	-84.356279000	KY	Windstream	Y
211510114002042	37.566067000	-84.349112000	KY	Windstream	Y
211510114002098	37.541846000	-84.344669000	KY	Windstream	Y
211510114002035	37.577953000	-84.336295000	KY	Windstream	Y
211510114002036	37.579993000	-84.325267000	KY	Windstream	Y
211510114002031	37.586495000	-84.322067000	KY	Windstream	Y
211510114002032	37.585847000	-84.321036000	KY	Windstream	Y
211510114002049	37.575209000	-84.320507000	KY	Windstream	Y

#### ATTACHMENT C

Map of Bluegrass 4G LTE Coverage in Kentucky (Coverage Map Represents LTE Reference Signal Threshold of -85 dBm)



#### ATTACHMENT D

Declaration of Leila Rezanavaz Senior Consulting Engineer

#### Declaration of Leila Rezanavaz Senior Consulting Engineer

- 1. My name is Leila Rezanavaz and I am an RF Consulting Engineer with Lukas, Nace, Gutierrez, and Sachs, LLP in McLean, Virginia. I graduated from George Mason University in Fairfax, Virginia in 1989 with a Bachelor of Science degree in Electrical Engineering.
- 2. I worked with RMS Technologies at the Goddard Space Flight Center in Greenbelt, Maryland as an Associate Engineer for one year after my graduation. Since October of 1990, I have been working as a Consulting Engineer in the wireless industry.
- 3. I was employed by LCC Incorporated from 1990 until 1994, where I was involved in the design and implementation of several analog and digital Cellular and PCS systems using TMDA, GSM, and CDMA technologies in several European and South American countries. I also performed and supervised the RF design and system planning for several Cellular markets in the United States. I attended several training programs at Cellular Institute within LCC. The training included the Principles of RF Propagation; Traffic Analysis; The Principles of North American TDMA, Pan European GSM, and Qualcomm CDMA technologies; GSM and CDMA RF design, frequency planning, capacity planning, and system optimization and expansion.
- 4. I have been employed by Lukas, Nace, Gutierrez, and Sachs, LLP since 1994, where I have provided many Cellular and PCS operators with RF engineering consulting services. My responsibilities include FAA and FCC filings and compliance, cell site design, site candidate evaluation and recommendation, system traffic study and capacity planning, frequency planning and coordination, system drive test evaluation and recommendation, interference study and analysis, cell site optimization, and system expansion, PCS microwave incumbent analysis and relocation. Since 1995, I have helped many of my clients migrate their systems from analog to various digital technologies and move on to overlay 3G and 4G networks. I have also been involved in the design and evaluation of the private radio, paging, and other types of wireless systems.
- 5. I am familiar with the FCC rules for the Commercial Fixed and Mobile Services.
- 6. For purposes of the preparing the material set forth in Attachments B and C to the foregoing Census Block Challenge, I mapped the centroid point for each unserved census block listed by the price cap carriers and the Commission for the state of Kentucky as part of the Commission's Public Notice for the Connect America Fund Phase I Round 2 funding. See Wireline Competition Bureau Publishes Census Blocks, And Commences Challenge Process, For Second Round of Connect America Phase I, Public Notice, DA 13-1832 (rel. Aug. 28, 2013) ("CAF Phase I Round 2 Public Notice"). I then performed a coverage analysis of each Bluegrass cell site that uses 4G LTE with Reference Signal values equal or greater than -85 dBm RSSI using Optimi xWizard ver. 8.2, a highly specialized propagation tool used by engineers to predict and model coverage to ensure appropriate coverage when designing wireless networks. Wizard software is widely accepted by engineers designing commercial

mobile wireless networks and it is an essential tool for selecting, among other things, site locations, antenna height, antenna type, and power levels. Based on my analysis, I have concluded that Bluegrass provides coverage at the centroid point of each census block listed in Attachment B.

7. I have read the foregoing Census Block Challenge, including Attachments B and C, and declare, under penalty of perjury, that the information contained therein which I have been responsible for preparing, and the information set forth in this declaration, is true and correct to the best of my knowledge, information and belief.

Leila Rezanavaz

Senior Consulting Engineer

Lukas, Nace, Gutierrez & Sachs, LLP 8300 Greensboro Drive, Suite 1200

Leila Rezanavag

McLean, Virginia 22102 Phone: (703) 584-8678

Executed: September 27, 2013

#### ATTACHMENT E

Declaration of Ronald Smith President & CEO Bluegrass Cellular, Inc.

#### Declaration of Ronald Smith President & CEO Bluegrass Cellular, Inc.

- 1. My name is Ronald Smith and I am President & CEO of Bluegrass Cellular, Inc. ("Bluegrass") and I am responsible for corporate management.
- 2. Throughout its 4G LTE network and service areas, Bluegrass currently offers a fixed wireless broadband service to subscribing customers. This fixed wireless service provides customers with access to an Internet broadband service in their home with speeds at, or in excess of, 3 Mbps downlink and 768 kbps uplink. With the wireless router offered by Bluegrass, customers can establish a wide-area network ("WAN") at home through the use of the router's Ethernet port or built-in WiFi that provides customers with high-speed broadband access for their computers and other devices at home.
- 3. Bluegrass currently offers its fixed wireless Internet service in each of the census blocks identified in Attachment B, and depicted in the map in Attachment C, to the foregoing Census Block Challenge. In each of these census blocks, Bluegrass offers and advertises its fixed wireless Internet service to customers at speeds at or in excess of 3 Mbps downlink and 768 kbps uplink, and has customers taking service in these areas.
- 4. As further evidence of Bluegrass' service offerings in the census blocks identified in Attachment B, attached to this Declaration are sample customer billing records (redacted to preserve customer privacy) showing their subscription to Bluegrass' fixed wireless Internet service.
- 5. I have read the foregoing Census Block Challenge and it is true and correct to the best of my knowledge, information and belief.

I declare, under penalty of perjury, that the foregoing is true and correct to the best of my knowledge, information and belief.

Ronald Smith

President & CEO

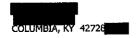
Bluegrass Cellular, Inc.

Executed: September 27, 2013



PO Box 5012 Elizabethtown, KY 42702-5012 Address Service Requested

☐ Check here for change of address or payment method(see reverse for more details)



#### **Remittance Information**

Account Number **Invoice Number** 

Bill Date

09/09/2013 10/08/2013

Current Balance Due By:

Total Amount Due

Payment Enclosed:

Please return this portion with your payment

Make checks payable to:

իկերութիրարդիկիրութիրիանիկիկիրութի **BLUEGRASS CELLULAR** 

PO BOX 740881 CINCINNATI, OH 45274-0881

#### **Account Summary** Account Number **Invoice Number Billing Number** 09/09/2013 **Billing Date Previous Balance Payments** Credits/Adjustments Past Due Balance (Pay immediately to prevent suspension of service) **Advance Payments Current Charges Total Amount Due Balance Forward** Payment made on Aug 27 Total payments through Sep 9 **Balance Before Current Charges Adjustments** Late Payment Charge **Subtotal Adjustment Charges** \$ **Invoice Totals** Subtotal Advanced Data Cellular Service Surcharges **Service Summary** Subtotal Charges **Advanced Data** Cellular Service

#### Messages

\*\*\*\*This Bill Includes A Past Due Balance\*\*\*\*
You are a valued customer to us!!! Please remit the past due amount or your account will be automatically suspended. You may also pay by debit or credit card at 1-800-928-2355, selection 5. If your service is suspended, a reconnection fee will apply per line. Please disregard if payment has already been made.

Thank You

#### Has your mailing address changed? Please complete this section if your address on the reverse side is incorrect. New Address: \_\_\_\_\_ Daytime Contact Number: \_\_\_\_ City: \_ State Date change is effective: Zip: \_\_\_ Account #: Signature:\_ Want to make a credit/debit card payment? Please Choose One: Monthly Recurring - Your credit card will be automatically charged the total Amount Due each month. Daytime Contact Number: (\_\_\_\_)\_\_\_-One-Time Payment - Your credit card will be charged one time for the Amount Authorized. Amount Authorized: \$ \_\_\_\_ CVC:\_\_\_\_\_ Expiration Date: \_\_\_ \_Name on Card (Print): \_\_\_\_\_ Signature: Want to set up an Automatic Withdrawal from your checking account? I (we) authorize Bluegrass Cellular to initiate debit entries to my (our) account indicated below and the financial institution named below to debit the same to such account for monthly account charges. I (we) acknowledge that the origination of ACH transactions to my (our) account must comply with the provisions of U.S. law.\* IMPORTANT - Please enclose a copy of a voided check. Monthly Recurring - Automatic withdrawl from checking each month for total Amount Due. Signature: **Charge Detail Cellular Service Cellular Service Cellular Service Cellular Service Total Amount Due Charge Detail** Cellular Service Advanced Data Recurring Charges (Sep 10 - Oct 09) 4G Internet Wireless Internet Bronze Non-Recurring Charges

Account Number: Billing Date: 09/09/2013

axes, Fees, and Surcharges

Total for Cellular Service

Payment Due Date: 10/08/2013 Page 2 of 3 **Charge Detail** Cellular Service Rate Plan Summary Cellular Service Data Charges Allotted

Account Number: Billing Date: 09/09/2013



PO Box 5012 Elizabethtown, KY 42702-5012

Address Service Requested

Check here for change of address or payment method(see reverse for more details)

Customer Name
ALBANY, KY 42602

#### Remittance Information

Account Number Invoice Number

Bill Date

09/09/2013 10/08/2013

Current Balance Due By: **Total Amount Due** 

Payment Enclosed:

\$ **.** 

Please return this portion with your payment

Make checks payable to:

#### Որնկը գրիրների գրինկորում իրկի ինկի ինկի ով իրկի ինկի ինկի ինկի ինկի ինկի ինկի հ

BLUEGRASS CELLULAR PO BOX 740881 CINCINNATI, OH 45274-0881

#### **Account Summary** Account Number Invoice Number Billing Number 09/09/2013 **Billing Date** Previous Balance Payments Credits/Adjustments Past Due Balance (Pay immediately to prevent suspension of service) Advance Payments Current Charges **Total Amount Due Balance Forward Balance Before Current Charges Invoice Totals** Subtotal Advanced Data Subtotal Current Charges Taxes Surcharges Service Summary Subtotal Charges Fees Advanced Data

#### Messages

**Area Code Overlay Notification** 

The Kentucky Public Service Commission (PSC) has identified a new NPA (364) that will be overlaid on to the current (270) NPA service area beginning March 3, 2014. Customers that currently have (270) phone numbers will retain their 10-digit number. Starting January 31, 2014, customers will be required to dial with ten-digits to other (270) numbers. For more information, contact Customer Service at 1-800-928-CELL

#### Nationwide Plans, Just For You

Need a nationwide plan that fits your life, your business or your family? Bluegrass Cellular lets you have the flexibility to build your perfect plan in three easy steps. Pick your voice plan, pick your text messaging and pick your data! Simply put, we offer more but you pay less.

Visit bluegrasscellular.com for more information.

Checking Your Voicemail Messages

To ensure a better customer experience, customers need to access their voicemail by dialing their own 10-digit phone number (area code and number) and following the prompts given to listen to their messages. Some customers devices are currently programmed to access voicemail differently. These customers will need to contact Customer Service at 1-800-928-CELL or visit their nearest Customer Care Center or Bluegrass Authorized Agent for assistance. Thank you!

Thank You

Usage Summary

Has your mailing address changed? Please complete this section if your address on the reverse side is incorrect. Daytime Contact Number: \_ New Address: \_\_\_\_\_ Date change is effective: \_ City: \_\_ State: \_\_ Account #: Signature:\_ Want to make a credit/debit card payment? Please Choose One:

Monthly Recurring - Your credit card will be automatically charged the total Amount Due each month. One-Time Payment - Your credit card will be charged one time for the Amount Authorized. Amount Authorized: \$ \_\_\_\_\_ \_ cvc:\_ Name on Card (Print): \_\_\_ Expiration Date: \_\_\_ Card Number: \_ Signature: Want to set up an Automatic Withdrawal from your checking account? I (we) authorize Bluegrass Cellular to initiate debit entries to my (our) account indicated below and the financial institution named below to debit the same to such account for monthly account charges. I (we) acknowledge that the origination of ACH transactions to my (our) account must comply with the provisions of U.S. law.\* IMPORTANT - Please enclose a copy of a voided check.

Monthly Recurring - Automatic withdrawl from checking each month for total Amount Due. Signature: \_ **Rate Plan Summary** Cellular Service \$ **Total Amount Due Charge Detail Cellular Service** Advanced Data Recurring Charges (Sep 10 - Oct 09) Wireless Internet Bronze Taxes, Fees, and Surcharges Total for Allotted **Cellular Service Cellular Service** 

Account Number: Billing Date: 09/09/2013



PO Box 5012 Elizabethtown, KY 42702-5012

Address Service Requested

Check here for change of address or payment method(see reverse for more details)

Customer Name BAGDAD, KY 40003

#### **Remittance Information**

Account Number Invoice Number

Bill Date

09/07/2013

OCurrent Balance Due By:

10/06/2013

Total Amount Due
Payment Enclosed:

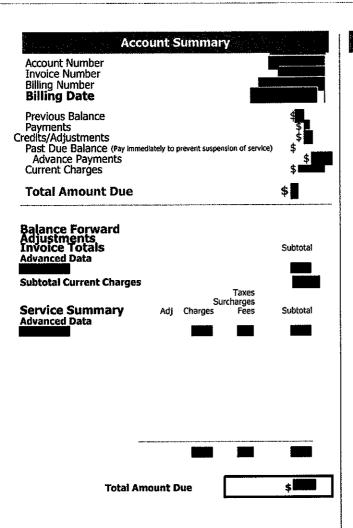
\$

Please return this portion with your payment

Make checks payable to:

ուժանիկիկինիկինիկինինիրինիկին անդանականությանիկին

BLUEGRASS CELLULAR PO BOX 740881 CINCINNATI, OH 45274-0881



#### Messages

\*\*\*\*This Bill Includes A Past Due Balance\*\*\*\*

You are a valued customer to us!!! Please remit the past due amount or your account will be automatically suspended. You may also pay by debit or credit card at 1-800-928-2355, selection 5. If your service is suspended, a reconnection fee will apply per line. Please disregard if payment has already been made.

Thank You

Has your mailing address changed? Please complete this section if your address on the reverse side is incorrect. New Address: \_\_\_\_\_ Daytime Contact Number: \_ Date change is effective: \_ State: \_ Zip: City: . Account #: Signature:\_ Want to make a credit/debit card payment? Please Choose One:

Monthly Recurring - Your credit card will be automatically charged the total Amount Due each month. Daytime Contact Number: (\_\_\_\_\_)\_\_\_-\_ One-Time Payment - Your credit card will be charged one time for the Amount Authorized. Amount Authorized: \$ \_\_\_\_\_ \_ CVC:\_\_ Name on Card (Print): \_\_\_\_ \_\_ Expiration Date: \_\_ Signature: Want to set up an Automatic Withdrawal from your checking account? I (we) authorize Bluegrass Cellular to initiate debit entries to my (our) account indicated below and the financial institution named below to debit the same to such account for monthly account charges. I (we) acknowledge that the origination of ACH transactions to my (our) account must comply with the provisions of U.S. law.\* IMPORTANT - Please enclose a copy of a voided check. Monthly Recurring - Automatic withdrawl from checking each month for total Amount Due. Signature: **Charge Detail** Advanced Data Recurring Charges (Sep 08 - Oct 07) 4G Internet Wireless Internet Bronze Taxes, Fees, and Surcharges Total for **Rate Plan Summary Cellular Service** Charges

**Cellular Service** 

Account Number: Billing Date: 09/07/2013



PO Box 5012 Elizabethtown, KY 42702-5012

Address Service Requested

Check here for change of address or payment method(see reverse for more details)

Customer Name
CERULEAN, KY 42215

#### **Remittance Information**

Account Number Invoice Number

Bill Date

Current Balance Due By:

08/21/2013 09/20/2013

Total Amount Due

Payment Enclosed:

\$

Please return this portion with your payment

Make checks payable to:

GETSETGO PO BOX 630968 CINCINNATI OH 45263-0968

#### **Account Summary Account Number** Invoice Number Billing Number **Billing Date** Previous Balance **Payments** Crédits/Adjustments Past Due Balance (Pay immediately to prevent suspension of service) Advance Payments **Current Charges Total Amount Due Balance Forward** Previous Bill Total payments through Aug 21 **Balance Before Current Charges Invoice Totals** Subtotal Wireless Internet **Subtotal Current Charges** Taxes Surcharges Fees **Service Summary** Subtotal Charges Wireless Internet **Total Amount Due**

#### Messages

Thank you for being a GetSetGo customer, we appreciate your business! If you have any questions, comments or concerns, please contact Customer Service toll free at 1-855-326-3278.

Account Number: Billing Date: 08/21/2013 For questions regarding your bill, please call us toll free at 1-855-326-3278

Payment Due Date: 09/20/2013 Page 1 of 2

#### Has your mailing address changed? Please complete this section if your address on the reverse side is incorrect. Daytime Contact Number: \_ New Address: Date change is effective: \_ City: \_\_ Account #: Signature:\_ Want to make a credit/debit card payment? Please Choose One: Monthly Recurring - Your credit card will be automatically charged the total Amount Due each month. Daytime Contact Number: (\_\_\_\_\_)\_\_\_-\_ One-Time Payment - Your credit card will be charged one time for the Amount Authorized. Amount Authorized: \$ \_\_\_\_ \_\_\_ Expiration Date: \_\_ Name on Card (Print): \_\_\_\_ Card Number: \_\_ \_ CVC:\_ Signature: Want to set up an Automatic Withdrawal from your checking account? I (we) authorize GetSetGo to initiate debit entries to my (our) account indicated below and the financial Institution named below to debit the same to such account for monthly account charges. I (we) acknowledge that the origination of ACH transactions to my (our) account must comply with the provisions of U.S. law.\* IMPORTANT - Please enclose a copy of a voided check. Monthly Recurring - Automatic withdrawl from checking each month for total Amount Due. Signature: **Charge Detail**

Non-Recurring Charges  Taxes, Fees, and Surcharges  Total for			\$
Rate Plan Summary Wireless Internet Home Data	l		
Charges	Allotted	Used	Amount

Account Number: Billing Date: 08/21/2013

Wireless Internet

Recurring Charges (Aug 22 - Sep 21, 4G Internet

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